

**Georgetown University**  
**Department of Economics**  
**ECON 121 – Economic Statistics**  
**Summer 2016**

**Instructor**

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Phone: 617-320-3386

Classes: Jun 6-Jul 8, Monday-Thursday 8:30am-10:30am in ICC 207B

Office hours: Monday/Wednesday 11:00am-12:00pm near Midnight Mug.

Lab hours: Wednesday 5:30pm-7:30pm in REI 282

Textbook: The book that this class will follow is Anderson, Sweeney, Williams, Camm, and Cochran, **Statistics for Business and Economics**, 12th Edition Revised

Calculator: A basic scientific calculator for exams is required.

Grading:

- Problem Sets: 40%
- Class Participation/Quiz: 60%

**Problem Sets:** The problem sets are designed to help you practice the concepts learned in class and the book. They must be completed very clearly and professionally in order to receive full credit. Grades will only be based on effort and professionalism. Late problem sets will not be accepted. The lowest problem set will be dropped. There will be also few computer exercises designed to give you some practice in using Microsoft Excel and STATA to analyze data.

You are encouraged to work together, but you must submit your own work.

**Class Participation:** Bring an electronic device and calculator to every class and lab to do quiz and in-class computing practice which will count toward class participation in random classes.

**Honor System:** All students are expected to maintain the highest standards of academic and personal integrity in pursuit of their education at Georgetown. Academic dishonesty, including plagiarism, in any form is a serious offense, and students found in violation are subject to academic penalties that include, but are not limited to, failure of the course, termination from the program, and revocation of degrees already conferred. All students are held to the Georgetown University Honor Code. For more information about the Honor Code see

<http://gervaseprograms.georgetown.edu/honor/>

**Special Accommodations:** If you believe that you have a disability that will affect your performance in this class, please contact the Academic Resource

Center (arc@georgetown.edu) for further information. The center is located in the Leavey Center, Suite 335. The Academic Resource Center is the campus office responsible for reviewing documentation provided by students with disabilities and for determining reasonable accommodations in accordance with the Americans with Disabilities Act (ADA) and University policies.

**Title IX Sexual Misconduct Statement:** Georgetown University and its faculty are committed to supporting survivors of sexual misconduct, including relationship violence and sexual assault. University policy requires faculty members to report any disclosures about sexual misconduct to the Title IX Coordinator, whose role is to coordinate the University's response to sexual misconduct. Georgetown has a number of fully confidential professional resources who can provide support and assistance to survivors of sexual assault and other forms of sexual misconduct. These resources include:

Jen Schweer, MA, LPC

Associate Director of Health Education Services for Sexual Assault Response and Prevention

(202) 687-0323

jls242@georgetown.edu

Erica Shirley, Trauma Specialist

Counseling and Psychiatric Services (CAPS)

(202) 687-6985

els54@georgetown.edu

More information about campus resources and reporting sexual misconduct can be found at <http://sexualassault.georgetown.edu>.

### **Class Schedule (Subject to Change)**

Week 1

Introduction to Course and Statistics

Graphically Describing Data

Numerically Describing Data

Week 2

Probability Theory

Week 3

Discrete Random Variables

Continuous Random Variables

Week 4  
Sampling  
Interval Estimates  
Hypothesis Testing

Week 5  
Inferences between Two Populations  
Regression

Week 6  
Regression  
Model Building